

Table 2.1-2
Summary of COC Selection Process
 Portland Harbor Superfund Site
 Portland, Oregon

Contaminant of Potential Concern	BERA COPC	BHHRA COPC	Identified as a COC	Rationale for Eliminating as a COC
1,1-Dichloroethene (1,1-DCE)	X		Y	
1,2,4-Trimethylbenzene	X		N	Ecological weak line of evidence
1,2-Dichlorobenzene	X		Y	
1,3,5-Trimethylbenzene	X		N	Ecological weak line of evidence
1,4-Dichlorobenzene	X		N	
2,4'-DDD	X		N	Evaluate as DDx
2,4-DDT	X		N	Evaluate as DDx
2,4- and 4,4-DDD	X	X	N	Evaluate as DDx
2,4- and 4,4-DDE	X	X	Y	
2,4- and 4,4-DDT	X	X	N	Evaluate as DDx
2-Methylnaphthalene			N	Evaluate as PAH
4,4'-DDD	X		N	Evaluate as DDx
4,4'-DDE	X		N	Evaluate as sum DDE and DDx
4,4'-DDT	X		N	Evaluate as DDx
4-Methylphenol (p-Cresol)	X		N	Ecological weak line of evidence
Acenaphthene	X		N	Evaluate as PAH
Acenaphthylene	X		N	Evaluate as PAH
Aldrin	X	X	Y	
Aluminum	X		N	Ecological weak line of evidence
Ammonia	X		N	Ecological weak line of evidence
Aniline	X		N	Ecological weak line of evidence
Anthracene	X		N	Evaluate as PAH
Antimony	X	X	N	Infrequent and/or anomalous detections
Aroclor 1254	X		N	Evaluate as Total PCBs
Arsenic	X	X	Y	
Barium	X		N	Ecological weak line of evidence
Benzene	X		Y	
Benzo(a)anthracene	X	X	N	Evaluate as PAH
Benzo(a)pyrene	X	X	N	Evaluate as PAH
Benzo(b)fluoranthene	X	X	N	Evaluate as PAH
Benzo(g,h,i)perylene	X		N	Evaluate as PAH
Benzo(k)fluoranthene	X	X	N	Evaluate as PAH
Benzyl alcohol	X		N	Ecological weak line of evidence
Beryllium	X		N	Ecological weak line of evidence
beta-Hexachlorocyclohexane (BHC)	X		N	Evaluate as Lindane
Bis(2-ethylhexyl) phthalate (BEHP)	X	X	Y	
Cadmium	X		Y	
Carbazole	X		N	Evaluate as PAH; weak line of evidence
Carbon disulfide	X		N	Ecological weak line of evidence
Chlordane (cis and trans)	X		N	Evaluate as total Chlordanes
Chlorobenzene	X		Y	
Chloroethane	X		N	Ecological weak line of evidence
Chloroform	X		Y	
Chromium	X	X	Y	
Chrysene	X		N	Evaluate as PAH
cis-1,2-Dichloroethene (c-1,2-DCE)	X		Y	
cis-Chlordane	X		N	Evaluate as total Chlordanes
Cobalt	X		N	Ecological weak line of evidence
Copper	X		Y	
Cyanide	X		Y	
Diazinon	X		N	Ecological weak line of evidence
Dibenzo(a,h)anthracene	X	X	N	Evaluate as PAH
Dibenzofuran	X		N	Evaluate as PAH
Dibutyl phthalate	X		N	Ecological weak line of evidence

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Dieldrin	X	X	Y	
Diesel range organics	X		N	Ecological weak line of evidence
Dioxin/Furan (2,3,7,8-TCDD Eq)	X	X	Y	
Endrin	X		N	Ecological weak line of evidence
Endrin ketone	X		N	Ecological weak line of evidence
Ethylbenzene	X		Y	
Fluoranthene	X		N	Evaluate as PAH
Fluorene	X		N	Evaluate as PAH
gamma-Hexachlorocyclohexane (Lindane)	X		Y	
Heptachlor epoxide	X		N	Ecological weak line of evidence
Hexachlorobenzene		X	Y	
Indeno(1,2,3-c,d)pyrene	X	X	N	Evaluate as PAH
Iron	X		N	Ecological weak line of evidence
Isopropylbenzene	X		N	Ecological weak line of evidence
Lead	X	X	Y	
m- and p-Xylene	X		Y	
Magnesium	X		N	Ecological weak line of evidence
Manganese	X		Y	
Mecoprop (MCP)		X	Y	
Mercury	X	X	Y	
Monobutyltin	X		N	Ecological weak line of evidence
Naphthalene	X		N	Evaluate as PAH
Nickel	X		N	Ecological weak line of evidence
o-Xylene	X		Y	
Pentachlorophenol	X	X	Y	
Perchlorate	X		Y	
Phenanthrene	X		N	Evaluate as PAH
Phenol	X		N	Ecological weak line of evidence
Polybrominated diphenyl ethers (PBDE)		X	Y	
Potassium	X		N	Ecological weak line of evidence
Pyrene	X		N	Evaluate as PAH
Silver	X		N	Background
Sodium	X		N	Ecological weak line of evidence
Sulfide	X		N	Infrequent detections and co-located under other COCs (Gasco)
Toluene	X		Y	
Total Chlordanes	X	X	Y	
Total cPAH/BaPEq		X	Y	
Total DDx	X	X	Y	
Total Endosulfan	X		N	Infrequent detections and co-located under other COCs (Arkema)
Total HPAH	X		Y	
Total LPAH	X		Y	
Total PAH	X		Y	
Total PCBs	X	X	Y	
Total PCB TEQ	X	X	N	Evaluate as Total PCBs
Total TEQ	X	X	N	Evaluate as Total PCBs and TCDD TEQ
TPH C4 - C6 Aliphatic	X		N	Ecological weak line of evidence
TPH C6 - C8 Aliphatic	X		N	Ecological weak line of evidence
TPH C8 - C10 Aromatic	X		N	Ecological weak line of evidence
TPH C10-C12 Aliphatic	X		Y	
TPH C10-C12 Aromatic	X		Y	
Total Xylenes	X		Y	
Tributyltin (TBT)	X		Y	

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Trichloroethene (TCE)	X		Y	
Vanadium	X		Y	
Zinc	X		Y	

Notes:

COC - contaminant of concern

PAH - polycyclic aromatic hydrocarbon

PCB - polychlorinated biphenyl